

Testing and Evaluation

Note-Taking Guide

Definitions

Knowledge testing measures participants retention of facts and concepts. A written or oral test is the usual method.

Performance testing measures the participants skill at using facts, concepts, processes or procedures and manipulative skills to accomplish a specific task.

Why we test

Feedback To give participants and instructors a progress check.

Validation Is instruction doing what it is supposed to do.

Certification Have participants reached a specified competency level.

Alternatives Participants demonstrate skill or knowledge - competency in lieu of training.

What we test

Knowledge Facts, concepts, vocabulary, procedures and processes

Skill Use of knowledge and ability to perform tasks.

Competence The level of knowledge and skill as rated against a criterion.

Ability Innate capabilities to perform tasks.

TRAINING FOR INSTRUCTORS COURSE

How we test

Written Widely used in education and training. Knowledge testing.

Oral An alternate for written testing for students who have unique situations.

Performance To test skills and the use of knowledge.

Definitions

Validity The extent to which a test measures what it is supposed to measure.

Reliability The degree to which a test repeatedly measures the same thing.

Types of test items

Essay The student is asked to write what they know about a subject.

Matching Statement and facts are matched from scrambled lists.

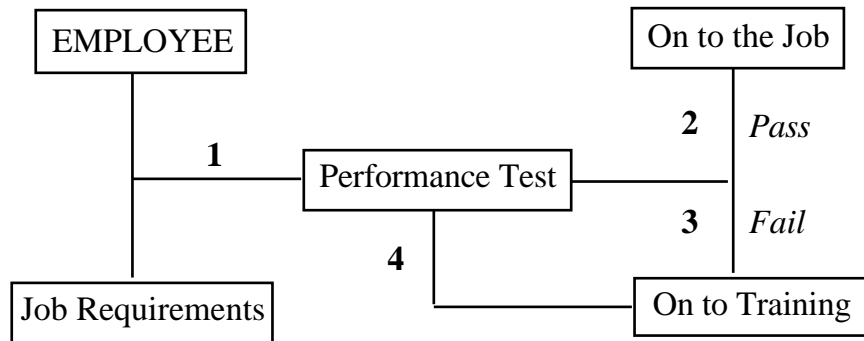
True - False Statements are identified as true or false.

Multiple choice The correct answer is selected from among several incorrect choices.

Listing The student is asked to produce a list of facts, steps, items etc.

Fill-in A statement is given with blank spaces to be filled in by the student.

An Ideal System of Testing



NOTES

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.

Methods of Evaluation

Post Test

1. T. ☒ F. Knowledge can be tested but skill cannot.
2. Explain the difference between validity and reliability in testing.

*Validity refers to whether a test measures what it's supposed to.
Reliability is about the consistency of a test to measure.*

3. Matching.

<u>B</u> What we test	A. Post Test
<u>C</u> Why we test	B. Knowledge
<u>D</u> How we test	C. Feedback
<u>A</u> When we test	D. Written test

4. Fill in.

A Performance test measures the students knowledge and skill.

5. Explain why this unit post test may or not be valid and reliable.

The test seems to measure the objectives. We do not know what the statistics are about what other students have answered.